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NO. 1691 P. 7

AUG 2 6 2008

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

ROGER MOONS

CASE

AD6883USNA

NO.:

APPLICATION NO.: 10/627902

GROUP ART UNIT: 1761

FILED: JULY 25, 2003

EXAMINER: DREW E. BECKER

CONFIRMATION NO.: 3469

FOR: IMPROVED THERMOPLASTIC POLYMERIC OVENWARE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. 1.132

- 1. I obtained a B.S. in Chemistry from the Polytechnic Institute of Brooklyn in 1962 and a Ph.D. in Organic Chemistry from the University of California at Davis in 1967.
- 2. I am currently receiving a pension from the assignee of this application E.I. DuPont de Nemours & Co., Inc. (hereinafter DuPont).
 - 3. I am a Registered Patent Agent (No. 33,852).
 - 4. I am currently a consultant for DuPont on technical and patent matters.
 - 5. While consulting for DuPont I directed an experiment as set forth below.
- 6. A composition containing 55 weight percent of Zenite® 6000 Liquid Crystalline Polymer (available from E. I. DuPont de Nemours & Co., Inc., Wilmington, DE 19998 USA), 37 weight percent talc, and 8 weight percent carbon fiber was prepared by melt mixing in a 30 mm Werner & Pfleiderer twin screw extruder. The techniques used to prepare this composition were similar to those commonly used to prepare other compositions containing LCPs.
- 7. The above composition was molded in a 6 oz. HPM injection molding machine into 4 inch diameter disks.

Application No.: 10/627902 Docket No.: AD6883USNA

Page 2

- 8. An above described disk (after machining) was tested for through plane thermal conductivity. The resulting value was 0.368 W/m°K.
- 9. The attached pages from Electronic Research Notebooks D100052 and D100008 describe this experiment and the conditions used for the various operations. The sample number for the above described composition was 13-1. The composition of sample 13-2 has been blanked out from the page, and the results for the thermal conductivity of this sample have been omitted.

del D. Citror

Date: MON 2 2007

T:\Patent Documents\Eng. Polymers\AD-68:xx\AD6883\AD6883 Declaration of Josi Citron.doc



DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Hame : Semite

Project Mame: Thermoconductivity for Joel Citron

Document Mane : D100052-13 series Thermal Conductive Zemite Woel Citron.pdf

Site Eane : ELP ST

Business Unit : Engineering Polymere

Author Name : Mile J. Holitor

Date : 02/26/2007 14:59:57

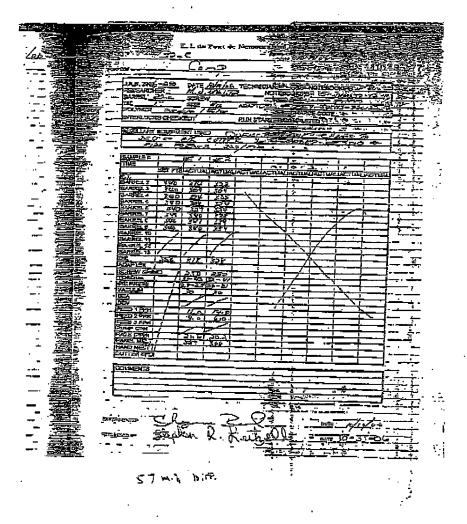
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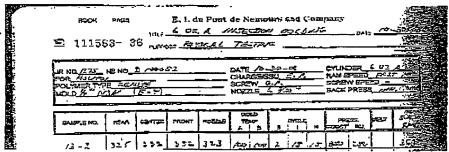
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Information in this report is proprietary and should be handled according to DuPout Information Security policies

E.I. du Pont de Nemours and Company

Sample # D100052	13-1	13-2
Zenite 6000	55	-
Jetfil Talc 575C	37	
Carbon fiber Signafil	8	





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Identification Burber : D100000 32.02

Experiment Wame : D100008-18

Progrem Esso : Zenite

Project Man: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-145413-2.pdf

Site Name : EXP ST

Purinces Unit : Purincering Polymers

Author Mane : Adcock, Dave

Date: 02/25/2007 12:57:03

Co-Author Details :

Wilmans Name : Hauve	7, Pat A. Date : 02/26/2007 13:07:04
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	Pre-Sig Hash: 73b0cadoclbdedf8234bdc54d8lae2e30laf8lbe By entering your pessword you will be signing to say that you bave witnessed the information contained in this document
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DuPont Electronic Laboratory Notebook

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Identification Number : D100052-28.01

Amperiment Mare: D100052-13

Program Heme : Serite

Project Wene: Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

gita Heme : TYP ST

Business Wait : Engineering Polymers

Anthor Mane : Mike J. Molitor

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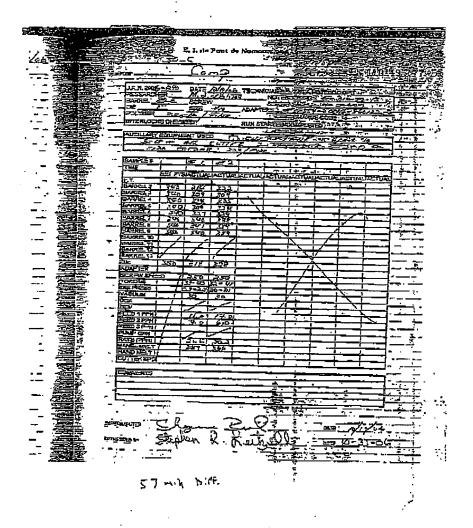
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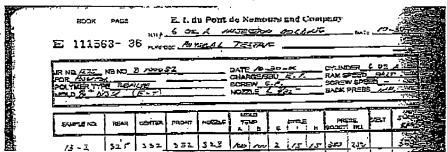
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Sample # D100052	13-1	13-2
Zenite 6000	55	•
Jetfil Talc 575C	37	
Carbon fiber Sigrafil	8	





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DuPont Electronic Laboratory Notebook

Identification Number: D100052-29.01

Experiment Name : D100052-13

Program Mame : Menite

Project Mame: Thermoconductivity for Joel Citron

Document News : D100052-13 series Thermal Conductive Zenite Joel Citror.pdf

Site Hame : EXP ST

Business Unit : Engineering Polymers

Author Mone : Mike J. Molitor

Date : 02/26/2007 14:59:57

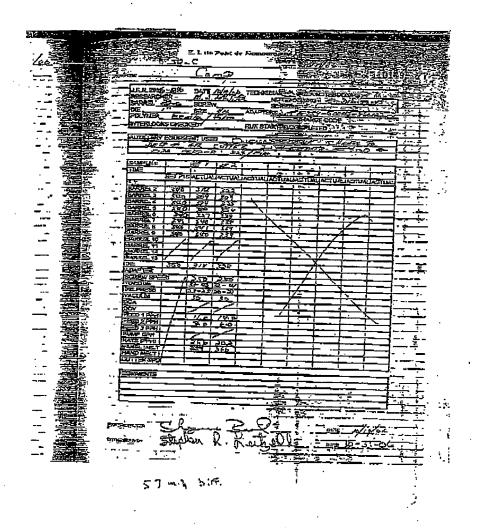
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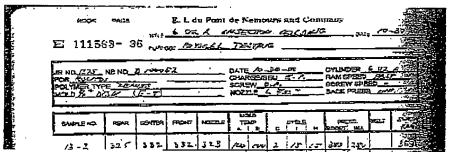
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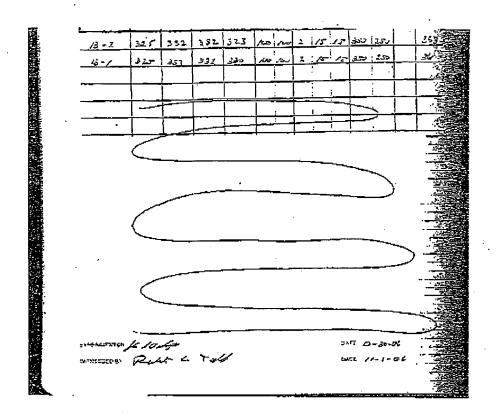
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E.I. du Pont de Nemours and Company

Sample # D100052	13-1	13-2
Zenite 6000	55	•
Jetfi Talc 575C	37 ·	
Carbon fiber Sigrafil	8	









DuPont Electronic Laboratory Notebook

Identification Ember : D100008 32.02

Experiment Name : D100008-18

Program Kame : Zenite

Perject Same: Thornal Conductivity

Dodument Name : ThermalConductivityofD100952-13-lend13-2.pdf

Site Kame: EXP ST

Purinees Wait : Engineering Polymens

Author Name : Adoock, Dave

Date : 02/25/2007 12:57:03

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